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(54) Title: PROCESS FOR THE PREPARATION OF A METAL-ORGANIC COMPOUND COMPRISING AT LEAST ONE IMINE LIGAND

(57) Abstract: The invention relates to a process for the preparation of a metal-organic compound, comprising at least one phosphinimine ligand, characterized in that the HA adduct of a phosphinimine ligand according to formula (1) is contacted with a metal-organic reagent of formula (2) in the presence of at least 2 equivalents of a base, wherein HA represents an acid, of which H represents its proton and A its conjugate base, with Y=N-H as formula (1), and M<sup>V</sup>(L<sub>1</sub>)<sub>k</sub>(L<sub>2</sub>)<sub>l</sub>(L<sub>3</sub>)<sub>m</sub>(L<sub>4</sub>)<sub>n</sub>X as formula (2), and wherein Y is a substituted phosphorous atom, and M represents a group 4 or group 5 metal ion, V represents the valency of the metal ion, being 3, 4 or 5, L<sub>1</sub>, L<sub>2</sub>, L<sub>3</sub>, and L<sub>4</sub> represent a ligand or a group 17 halogen atom on M and may be equal or different, k, l, m, n = 0, 1, 2, 3, 4 with k+l+m+n+l = V, and X represents a group 17 halogen atom. The invention further relates to a process for the preparation of a polyolefin by making a metal-organic compound according to the process of the invention, wherein the base is an olefin polymerisation compatible base, which metal-organic compound is activated anywhere in, or before a polymerisation reactor.

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